	Application No.	Applicant(s)	
Notice of Allowability	09/542,858	CAMPBELL ET AL.	
	Examiner	Art Unit	
	VAN H. NGUYEN	2194	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--
All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included
herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS
NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative
of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to *the RCE filed 9/14/06*.

2. ☒ The allowed claim(s) is/are *57-62, 65-73, 76, and 78-87 (now renumbered as 1-26)*.

3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a) ☐ All   b) ☐ Some*   c) ☐ None   of the:

      1. ☐ Certified copies of the priority documents have been received.

      2. ☐ Certified copies of the priority documents have been received in Application No. _____ .

      3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the
        International Bureau (PCT Rule 17.2(a)).

    * Certified copies not received: _____ .

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements
noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF
    INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.

    (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached

      1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____ .

    (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of
      Paper No./Mail Date _____ .

    Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of
    each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the
    attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)
1. ☐ Notice of References Cited (PTO-892)

2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)

3. ☐ Information Disclosure Statements (PTO/SB/08),
    Paper No./Mail Date _____

4. ☐ Examiner's Comment Regarding Requirement for Deposit
    of Biological Material

5. ☐ Notice of Informal Patent Application

6. ☐ Interview Summary (PTO-413),
    Paper No./Mail Date _____ .

7. ☒ Examiner's Amendment/Comment

8. ☒ Examiner's Statement of Reasons for Allowance

9. ☐ Other _____ .

DETAILED ACTION

1.   This communication is responsive to the RCE filed 09/14/2006.

Claims 57-62, 65-73, 76, and 78-87 are pending in this application. By this Examiner's

amendment: claims 67, 69, 72, 76, and 78-87 have been amended; and claim 74 has been

cancelled.

Continued Examination Under 37 CFR 1.114

2.   A request for continued examination under 37 CFR 1.114, including the fee set forth in

37 CFR 1.17(e), was filed in this application after allowance or after an Office action

under *Ex Parte Quayle*, 25 USPQ 74, 453 O.G. 213 (Comm'r Pat. 1935). Since this

application is eligible for continued examination under 37 CFR 1.114, and the fee set

forth in 37 CFR 1.17(e) has been timely paid, prosecution in this application has been

reopened pursuant to 37 CFR 1.114. Applicant's submission filed on 09/14/2006 has

been entered.

3.   **EXAMINER'S AMENDMENT:**

An examiner's amendment to the record appears below. Should the changes and/or

additions be unacceptable to applicant, an amendment may be filed as provided by 37

CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no

later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with

Tony V. Pezzano (Reg. No. 38, 271) on 11/30/2006.

The application has been amended as follows:

In the Claims:

(a)   **All previous copies of claims 67, 69, 72, 76 and 78-87 have been replaced with**

the following clean copy of claims 67, 69, 72, 76 and 78-87 as amended by the

Examiner's amendment:

Claim 67. The method of claim 57, wherein a verification request from the forwarder is transmitted to the controller and confirmed before the forwarder transfers packets between itself and the destination server.

Claim 69. The method of claim 68, wherein the controller stores an IP address that represents the origin of the client.

Claim 72. The method of claim 68, wherein the controller stores a time-to-live function for the forwarding session.

Claim 76. A computer system comprising:

a forwarder configured to transmit and receive data;

said forwarder configured to communicate with at least a client and at least a destination server corresponding to a destination website with which the client has requested to initiate communication;

said forwarder configured for employment between the client and the destination server to forward packets sent from the client to the destination server and to forward packets sent from the destination server to the client;

said forwarder configured to transfer packets between the client and the destination server, wherein the client and the destination server are unaware of the employment of said forwarder;

said forwarder configured to communicate with at least a controller;

said controller configured to communicate with at least a deceiver,

said deceiver configured to communicate with the client, wherein the deceiver

receives the request by the client to initiate communication with the destination

website and initiates the controller to query a domain name server to resolve the

name of the destination website associated with the destination server;

said controller configured to communicate with said domain name server

to resolve the name of said destination website and initiate communication with

the forwarder in response to the resolution of the name of the destination website

associated with the destination server;

said controller configured to store communication data for locating

at least said deceiver, said domain name server, and said forwarder; and

said controller configured to initiate the forwarder to forward packets

between the destination server and the client in response to the resolution of the

name of the destination website associated with the destination server.

Claim 78. The computer system according to claim 76, wherein said forwarder is

configured to transmit verification data to said controller.

Claim 79. The computer system according to claim 76, wherein said controller sends

destination instructions to said domain name server, receives data including resolved a

website name associated with said destination instructions.

Claim 80. The computer system according to claim 79, wherein said controller

establishes communication with said forwarder upon receiving data from said domain

name server.

Claim 81. The computer system according to claim 76, wherein said controller stores IP

addresses for at least said deceiver, said domain name server, and said forwarder.

Claim 82. The computer system according to claim 79, wherein said destination

instructions include data comprising an IP address of a destination website that said client

is intending to communicate with.

Claim 83. The computer system according to claim 76, wherein said controller receives

destination instruction from the deceiver and transmits the destination instruction to the

domain name server.

Claim 84. The computer system according to claim 76, wherein said deceiver causes

said client to communicate with said forwarder, instead of an intended destination server.

Claim 85. The computer system according to claim 76, wherein said forwarder

communicates data with said destination server corresponding to data communicated

between said forwarder and said client.

Claim 86. The computer system according to claim 76, wherein said controller

correlates communication of said forwarder with at least said client and said destination

server.

Claim 87. The computer system according to claim 76, wherein said controller

determines and stores an association of name to IP address for said client.

(b)   Claim 74 has been cancelled.

4.   **REASONS FOR ALLOWANCE:**

The drawings submitted on 04/04/2000 are acceptable.

Claims 57-62, 65-73, 76, and 78-87 are allowed.

The following is an examiner's statement of reasons for allowance:

The prior art does not expressly teach or render obvious the invention as recited

in independent claims 57 and 76.

The features *"employing a controller configured to communicate with the forwarder and*

a domain name server, wherein the controller queries the domain name server to resolve

the name of the destination website associated with the destination server and initiates communication with the forwarder in response to an answer from the domain name server to resolve the name of the destination website associated with the destination server; employing a deceiver configured to communicate with the controller and the client wherein the deceiver receives the request by the client to initiate communication with the destination website and initiates the controller to query the domain name server to resolve the name of the destination website associated with the destination server; and in response to the controller receiving the answer from the domain name serve and initiating communication with the forwarder, initiating the forwarding session" as recited in independent claim 57; and *"the forwarder configured to communicate with at least a controller; the controller configured to communicate with at least a deceiver, the deceiver configured to communicate with the client, wherein the deceiver receives the request by the client to initiate communication with the destination website and initiates the controller to query a domain name server to resolve the name of the destination website associated with the destination server; the controller configured to communicate with the domain name server to resolve the name of the destination website and initiate communication with the forwarder in response to the resolution of the name of the destination website associated with the destination server; the controller configured to store communication data for locating at least the deceiver, the domain name server, and the forwarder; and the controller configured to initiate the forwarder to forward packets between the destination server and the client in response to the resolution of the name of the destination website associated with the destination server"* as recited in independent

claim 76, when taken in the context of the claims as a whole, were not uncovered in the prior art teachings.

Nor were references uncovered that would have provided a basis of evidence for asserting a motivation that one of ordinary skill level in the art at the time the invention was made, knowing of a method for communicating between a client and a server in this specific environment, would have integrated or modified to teach the method for implementing a forwarder, a controller, and a deceiver for communicating between a client and a destination server with the specific features as recited in the context of independent claims 57 and 76.

Dependent claims are allowed as they depend upon allowable independent claims.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

CONTACT INFORMATION

5.   Any inquiry concerning this communication or earlier communications from the
examiner should be directed to VAN H. NGUYEN whose telephone number is (571)
272-3765. The examiner can normally be reached on Monday-Thursday from 8:30AM -
6:00PM. The examiner can also be reached on alternative Friday. If attempts to reach the
examiner by telephone are unsuccessful, the examiner's supervisor, WILLIAM
THOMSON can be reached at (571) 272-3718.

The fax phone number for the organization where this application or proceeding is
assigned is **571-273-8300**.

Information regarding the status of an application may be obtained from the Patent
Application Information Retrieval (PAIR) system. Status information for published
applications may be obtained from either Private PAIR or Public PAIR. Status
information for unpublished applications is available through Private PAIR only.
For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you
have questions on access to the Private PAIR system, contact the Electronic Business
Center (EBC) at 866-217-9197 (toll-free).

Any response to this action should be mailed to:
Commissioner for patents
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